



10-22-03

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
INFORMATION DISCLOSURE STATEMENT

In re Application of  
LEE KIRBY JAMESON  
BERNARD COHEN  
LAMAR HEATH GIPSON

Attorney Docket No: KCX-371-DIV

Art Unit: 3752

Our Customer ID: 22827

Our Account No: 04-1403

Serial No: 10/617,649

Filing Date: July 11, 2003

Confirmation No: 4156

Title: METHOD OF RETROFITTING AN UNITIZED INJECTOR  
FOR ULTRASONICALLY STIMULATED OPERATION

Commissioner for Patents  
U.S. Patent and Trademark Office  
Post Office Box 1450  
Alexandria, VA 22313-1450

Sir:

The following is an Information Disclosure Statement for the captioned patent application, pursuant to 37 CFR Sections 1.56, 1.97, and 1.98.

1.[X] Attached hereto is:

- a.[ ] A list of materials for consideration per Rule 98(a)(1): 8 page(s)
- b.[ ] A legible copy of each patent, publication, or other item listed per Rule 98(1)(2), unless not required per Rule 98(c) and/or (d) and as indicated on the attached list(s): 164 item(s)
- c.[ ] For each non-English language item listed, pursuant to Rule 98(a)(3), a concise explanation of the relevance thereof as it is presently understood by the individual designated in Rule 56(c) most knowledgeable about the content of such items: \_\_\_\_\_  
[ ] Such explanation is provided in the Search Report from a corresponding application enclosed herewith along with any enclosed translation into English.

2.[X] This Information Disclosure Statement is being filed [CHECK ONE]:

- a.[X] WITHIN THREE MONTHS of the application filing date, national stage date of entry, or along with or after a request for continued examination, OR BEFORE the mailing date of a first Office Action on the merits, which ever event occurs last, WHEREFORE per Rule 97(b) NO filing fee or Rule 97(e) certificate is required.
- b.[ ] AFTER the time periods of section 2.a above, but BEFORE a Final Action, Notice of Allowance OR an action that otherwise closes prosecution, WHEREFORE PER Rule 97(c) submitted herewith is [CHECK ONE]:
  - i.[ ] Certification per Rule 97(e); OR
  - ii[ ] Filing Fee per Rule 17(p) \$180.00

c.[ ] AFTER a Final Action OR Notice of Allowance, but BEFORE payment of the issue fee, WHEREFORE per Rule 97(d) submitted herewith is:

- i. Certification per Rule 97(e); AND
- ii. Filing fee per Rule 17(p)..... \$180.00

3.[ ] Rule 97(e) Certification; per Rule 97(e), the undersigned certifying party make the following certification statement [CHECK ONE]:

- a.[ ] That each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement; OR
- b.[ ] That no item of information contained in this Information Disclosure Statement was cited in a foreign patent office in a counterpart foreign application and to the knowledge of the undersigned after making a reasonable inquiry, was known to any individual designated in Rule 56(c) more than three months prior to the filing of this statement.

CERTIFYING PARTY (if different from bottom signature; omission here indicates that certification is being made by signer per signature below).

Name: \_\_\_\_\_ Signature: \_\_\_\_\_  
Address: \_\_\_\_\_ Date: \_\_\_\_\_

4.[x] DEPOSIT ACCOUNT AUTHORIZATION: The Commissioner is hereby authorized to charge any fee specifically authorized hereafter, or any fees in addition to the fee(s) filed, or asserted to be filed, or which should have been filed herewith or concerning any paper filed hereafter, and which may be required under Rules 16-18 (deficiency only) now or hereafter relative to this application and the resulting official document under Rule 20, or credit any overpayment, to our Account No. shown in the heading hereof for which purpose a duplicate copy of this sheet is attached. This statement does not authorize charge of the issue fee in this case.

5.[x] "Express Mail" Certificate under Rule 10:

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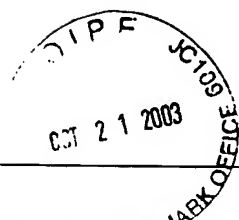
By: James M. Bagarazzi  
Reg. No: 29,609  
Signature: James M. Bagarazzi  
Date: Oct 21, 2003

Information Disclosure Statement List By Applicant Under 37 CFR Section 1.98(a) (1) Use several sheets if necessary	Attorney Docket Number KCX-371-DIV	Serial Number 10/617,649
	Applicants LEE KIRBY JAMESON BERNARD COHEN LAMAR HEATH GIPSON	
	Filing Date: 07/11/2003 Confirmation No.: 4156	Group 3752

NOTE: If no indication is made in the column marked "COPY NOTE," the required legible copy of the corresponding item is submitted herewith; otherwise, a copy is not required and/or not submitted, for the following reason(s) [corresponding reason number is listed in "COPY NOTE" column]"

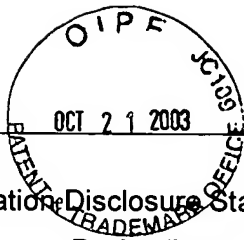
- (1) This item is cumulative, per Rule 98(c)
- (2) A copy of this item was previously cited by or submitted to the U.S. Patent and Trademark Office in: USSN \_\_\_\_\_, filed \_\_\_\_\_, or USSN \_\_\_\_\_, filed \_\_\_\_\_; Relied on under 35 U.S.C. Section 120, per Rule 98(d)
- (3) Both reasons (1) and (2) apply
- (4) No legible complete copy is possessed, in custody of controlled, or readily available
- (5) Per the U.S. Patent and Trademark Office's waiver of Rule 98(a)(2)(i), the item is a U.S. patent or patent application publication, and the present application was filed after June 30, 2003.

U.S. PATENT DOCUMENTS				
EXAMINER INITIALS	PATENTEE NAME	PATENT NUMBER	ISSUE DATE	COPY NOTE
	Calhoun	2,484,012	10/1949	
	Peterson, etal.	2,484,014	10/1949	
	Deboutteville	2,745,136	05/1956	
	Perry, RW Jr.	3,016,599	01/1962	
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	Bodine, AG, Jr.	3,233,012	02/1966	
	Tigner	3,285,442	11/1966	
	Kinney	3,341,394	09/1967	
	Van Ingen	3,463,321	08/1969	
	Funabashi-shi	3,619,429	11/1971	
EXAMINER		DATE CONSIDERED		
Examiner: initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant.				



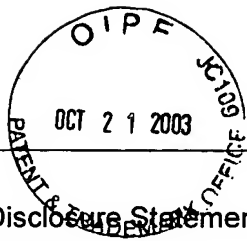
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U.S. PATENT DOCUMENTS				
EXAMINER INITIALS	PATENTEE NAME	PATENT NUMBER	ISSUE DATE	COPY NOTE
	Dorschner, etal.	3,655,862	04/1972	
	Boutsicaris	3,668,185	06/1972	
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	Buntin, etal.	3,978,185	08/1976	
	Martin	4,013,223	03/1977	
	Kompanek	4,038,348	07/1977	
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	Cottell	4,048,963	09/1977	
	Akiyama, etal.	4,064,605	12/1977	
	Martin	4,067,496	01/1978	
	Harmon	4,091,140	05/1978	
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	Hayes, Jr., etal.	4,134,931	01/1979	
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	Appel, etal.	4,340,563	07/1982	
	Fishgal	4,372,491	02/1983	
	Jaqua	4,389,999	06/1983	
	Appel, etal.	4,405,297	09/1983	
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	Müller, etal.	4,418,672	12/1983	
	Hartman, etal.	4,434,204	02/1984	
	Mühlbauer	4,466,571	08/1984	
	Northman	4,496,101	01/1985	
	Astier, etal.	4,500,280	02/1985	
	Norota, etal.	4,521,364	06/1985	
	Lau	4,526,733	07/1985	
	Barrows	4,529,792	07/1985	
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	Greiser, etal.	4,627,811	12/1986	
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	Wisneski, etal.	4,663,220	05/1987	
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	Koike, etal.	4,715,353	12/1987	
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	Endo, etal.	4,756,478	07/1988	
	Lee, etal.	4,793,954	12/1988	
	Usui, etal.	4,815,192	03/1989	
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	Yamauchi, etal.	4,995,367	02/1991	
	Furusawa, etal.	5,017,311	05/1991	
	Berliner, III	5,032,027	07/1991	
	Furusawa, etal.	5,068,068	11/1991	
	Gayser, etal.	5,110,286	05/1992	
	Stewart	5,112,206	05/1992	
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	Fadner	5,226,364	07/1993	
	Jameson, etal.	5,269,981	12/1993	
	Malinowski	5,330,100	07/1994	
	Pike, etal.	5,382,400	01/1995	
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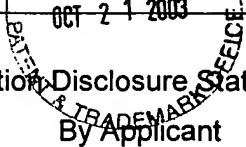
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	Probst	5,531,157	07/1996	
	Poschl	5,564,402	10/1996	
	Jameson	5,801,106	09/1998	
	Cohen et al.	5,803,106	09/1998	
	Cohen et al.	5,868,153	02/1999	
	Gipson et al.	5,892,315	04/1999	
	Gipson et al.	5,900,690	05/1999	
	Jameson et al.	6,010,592	01/2000	
	Gipson et al.	6,053,424	04/2000	
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	Gipson et al.	6,450,417	09/2002	
	Jameson et al.	6,543,700	04/2003	

FOREIGN PATENT DOCUMENTS								
EXAMINER INITIALS		COUNTRY	DOCUMENT NUMBER	PUBLICATION DATE	TRANSLATION			COPY NOTE
					YES	NO	N/A	
		Denmark	865,707	04/19/1961	x			
		Great Britain	1263159	02/09/1972			X	
		Japan	49(1974)-133613	12/23/1974	x			
		Great Britain	1382828	02/05/1975			X	
		USSR	468948	07/22/1975	X			
		USSR	449504	10/11/1975	x			
		Great Britain	1415539	11/26/1975			X	

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				YES	NO	N/A	
	Great Britain	1432760	4/22/1976			X	
	Germany	2,734,818	02/09/1978	x			
	Great Britain	1555766	11/14/1979			X	
	Great Britain	GB 2077351 A	12/16/1981			X	
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	Europe	0165407 A2	12/27/1985	x			
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	Europe	0303998 A1	02/22/1989	x			
	USSR	SU 1812332 A1	04/23/1990	x			
	Europe	0465660 A1	01/15/1992	x			
	World	93/01404	01/21/1993	x			
	Great Britain	GB 2274877 A	08/10/1994			X	
	Europe	EP0644280 B1	03/22/1995	x			
	World	96/00318	01/04/1996	x			
	World	WO 97/23280	03/07/1997	X			
	World	WO 97/23726	03/07/1997	X			
	PCT International Search Report	PCT/US01/50275	07/11/2002			X	
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EXAMINER INITIALS	OTHER DOCUMENTS Specify author (if any), Title, Pertinent Pages, Date & Place of Publication	COPY NOTE
	"Superfine Thermoplastic Fibers" by Van A. Wentz, <u>Industrial and Engineering Chemistry</u> , Vol. 48, No. 8, Aug. 1956, p. 1342-1346.	
	"Manufacture of Superfine Organic Fibers" by V.A. Wentz et al., <u>NRL Report</u> 4364, 5/25/1954, p. ii and pp. 1 through 15.	
	"Degassing of Liquids", by O.A. Kapustina, <u>Physical Principles of Ultrasonic Technology</u> , Vol. 1, Plenum Press, 1973, Table of Contents and pp. 376-509.	
	Fundamental Principles of Polymerization, by F.F. D'Alelio, John Wiley & Sons Inc., December 1952, pp. 100-101.	
	"Melt Blowing – A One-Step Web Process for New Nonwoven Products" by Robert R. Buntin, et al., <u>Tappi</u> , Vol. 56, No. 4, April 1973, pp. 74-77.	
	"Ultrasonics", <u>Encyclopedia of Chemical Technology</u> , 3 <sup>rd</sup> ed., Vol. 23, pp. 462-479.	
	DL 134052 (abstract); Assignee: Plast & Elastverarb VEB; 02/07/1979	
	DL 138523 (abstract); Assignee: VEB Lena-Werk W.Ulbrich; 11/07/1979	
	SU 706250 (abstract); Assignee: Ilyukhin Yu D; 12/31/1979	
	DE 3010985 (abstract); Assignee: Siemens AG; 10/01/1981	
	JP 56 144214 (abstract); Patentee: Idemitsu Kosan Co. Ltd.; 11/10/1981	
	JP 57 51441 (abstract); Assignee: Imperial Chem Inds PLC; 03/26/1982	
	JP 57 78967 A; (abstract); Assignee: Toshiba KK; 5/17/1982	
	JP 57 099327 (abstract); Patentee: Toshia Corp.; 06/21/1982	
	JP 62 160110 A (abstract); Assignee: Fuji Photo Film Co. Ltd.; 07/16/1987	
	0 300 198 A1 (abstract) Assignee: Robert Bosch GMBH; 01/25/1989	
	0303889 B1 (abstract) Assignee: Weitkowitz Elek GMBH; Weitkowitz Elektro; 02/22/1989	
	DE 2555839 A1 (abstract); Assignee: Deut Forsch Luft Raumfahrt EV; 11/02/1989	
	CZ 9006657 (abstract); Assignee: Vysoka Skola Dopravy Spojov; 12/27/1990	
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